



DEPARTMENT OF THE AIR FORCE  
59TH MEDICAL WING (AETC)  
JOINT BASE SAN ANTONIO - LACKLAND TEXAS

5 JAN 2017

MEMORANDUM FOR 959 MDS

ATTN: CAPT AMY REED

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled **Genitourinary Injuries Sustained by Females U.S. Service Members During Operation Iraqi Freedom and Operation Enduring Freedom** presented at/published to **SGSU Kimbrough Meeting, San Diego, CA, 11 Jan 2017** in accordance with MDWI 41-108, has been approved and assigned local file #**17022**.
2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.
4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

LINDA STEEL-GOODWIN, Col, USAF, BSC  
Director, Clinical Investigations & Research Support



# PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS

## INSTRUCTIONS

### USE ONLY THE MOST CURRENT 59 MDW FORM 3039 LOCATED ON AF E-PUBLISHING

1. The author must complete page two of this form:
  - a. In Section 2, add the funding source for your study [ e.g., 59 MDW CRD Graduate Health Sciences Education (GHSE) (SG5 O&M); SG5 R&D; Tri-Service Nursing Research Program (TSNRP); Defense Medical Research & Development Program (DMRDP); NIH; Congressionally Directed Medical Research Program (CDMRP) ; Grants; etc.]
  - b. In Section 2, there may be funding available for journal costs, if your department is not paying for figures, tables or photographs for your publication. Please state "YES" or "NO" in Section 2 of the form, if you need publication funding support.
2. Print your name, rank/grade, sign and date the form in the author's signature block or use an electronic signature.
3. Attach a copy of the 59 MDW IRB or IACUC approval letter for the research related study. If this is a technical publication/presentation, state the type (e.g. case report, QA/QI study, program evaluation study, informational report/briefing, etc.) in the "Protocol Title" box.
4. Attach a copy of your abstract, paper, poster and other supporting documentation.
5. Save and forward, via email, the processing form and all supporting documentation to your unit commander, program director or immediate supervisor for review/approval.
6. On page 2, have either your unit commander, program director or immediate supervisor:
  - a. Print their name, rank/grade, title; sign and date the form in the approving authority's signature block or use an electronic signature.
7. Submit your completed form and all supporting documentation to the CRD for processing (59crdpubspres@us.af.mil). **This should be accomplished no later than 30 days before final clearance is required to publish/present your materials.** If you have any questions or concerns, please contact the 59 CRD/Publications and Presentations Section at 292-7141 for assistance.
8. The 59 CRD/Publications and Presentations Section will route the request form to clinical investigations, 502 ISG/JAC (Ethics Review) and Public Affairs (59 MDW/PA) for review and then forward you a final letter of approval or disapproval.
9. Once your manuscript, poster or presentation has been approved for a one-time public release, you may proceed with your publication or presentation submission activities, as stated on this form. **Note:** For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.
10. If your manuscript is accepted for scientific publication, please contact the 59 CRD/Publications and Presentations Section at 292-7141. This information is reported to the 59 MDW/CC. All medical research or technical information publications/presentations must be reported to the Defense Technical Information Center (DITC). See 59 MDWI 41-108, *Presentation and Publication of Medical and Technical Papers*, for additional information.
11. The Joint Ethics Regulation (JER) DoD 5500.07-R, *Standards of Conduct*, provides standards of ethical conduct for all DoD personnel and their interactions with other non-DoD entities, organizations, societies, conferences, etc. Part of the Form 3039 review and approval process includes a legal ethics review to address any potential conflicts related to DoD personnel participating in non-DoD sponsored conferences, professional meetings, publication/presentation disclosures to domestic and foreign audiences, DoD personnel accepting non-DoD contributions, awards, honoraria, gifts, etc. The specific circumstances for your presentation will determine whether a legal review is necessary. **If you (as the author) or your supervisor check "NO" in block 17 of the Form 3039, your research or technical documents will not be forwarded to the 502 ISG/JAC legal office for an ethics review.** To assist you in making this decision about whether to request a legal review, the following examples are provided as a guideline:

For presentations before professional societies and like organizations, the 59 MDW Public Affairs Office (PAO) will provide the needed review to ensure proper disclaimers are included and the subject matter of the presentation does not create any cause for DoD concern.

If the sponsor of a conference or meeting is a DoD entity, an ethics review of your presentation is not required, since the DoD entity is responsible to obtain all approvals for the event.

If the sponsor of a conference or meeting is a non-DoD commercial entity or an entity seeking to do business with the government, then your presentation should have an ethics review.

If your travel is being paid for (in whole or in part) by a non-Federal entity (someone other than the government), a legal ethics review is needed. These requests for legal review should come through the 59 MDW Gifts and Grants Office to 502 ISG/JAC.

If you are receiving an honorarium or payment for speaking, a legal ethics review is required.

If you (as the author) or your supervisor check "YES" in block 17 of the Form 3039, your research or technical documents will be forwarded simultaneously to the 502 ISG/JAC legal office and PAO for review to help reduce turn-around time. If you have any questions regarding legal reviews, please contact the legal office at (210) 671-5795/3365, DSN 473.

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement:

***"The views expressed are those of the [author(s)] [presenter(s)] and do not reflect the official views or policy of the Department of Defense or its Components"***

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving humans:

***"The voluntary, fully informed consent of the subjects used in this research was obtained as required by 32 CFR 219 and DODI 3216.02\_AFI 40-402."***

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving animals, as required by AFMAN 40-401\_IP :

***"The experiments reported herein were conducted according to the principles set forth in the National Institute of Health Publication No. 80-23, Guide for the Care and Use of Laboratory Animals and the Animal Welfare Act of 1966, as amended."***



<b>PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS</b>			
1. TO: CLINICAL RESEARCH	2. FROM: (Author's Name, Rank, Grade, Office Symbol) Amy Reed, Capt, 0-3	3. GME/GHSE STUDENT: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	4. PROTOCOL NUMBER: BAMC# C.2014.079d
5. PROTOCOL TITLE: ( <b>NOTE:</b> For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.) GENITOURINARY INJURIES SUSTAINED BY FEMALE U.S. SERVICE MEMBERS DURING OPERATION IRAQI FREEDOM AND			
6. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED: GENITOURINARY INJURIES SUSTAINED BY FEMALE U.S. SERVICE MEMBERS DURING OPERATION IRAQI FREEDOM AND			
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<input checked="" type="checkbox"/> 11e. OTHER (Describe: name of meeting, city, state, and date of meeting.) SGSU Kimbrough Meeting, San Diego, CA, 11Jan2016			
12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ASSIGNED FILE # _____ DATE _____			
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14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email) Reed, Amy, M amy.m.reed18.mil@mail.mil			15. DUTY PHONE/PAGER NUMBER 210-513-3077
16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.			
LAST NAME, FIRST NAME AND M.I.	GRADE/RANK	SQUADRON/GROUP/OFFICE SYMBOL	INSTITUTION (If not 59 MDW)
a. Primary/Corresponding Author Reed, Amy	0-3/Capt	959MDS	
b. Janak, Judson	Civ		SAMMC
c. Orman, Jean	civ		SAMMC
d. Hudak, Steven	0-5/LTC	C Co, BAMC Troop Command	SAMMC
e.			
17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
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18. AUTHOR'S PRINTED NAME, RANK, GRADE Amy Reed, Capt, 0-3		19. AUTHOR'S SIGNATURE REED.AMY.M.1185557614	20. DATE 05Dec2016
21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE Timothy Phillips, Colonel, USAF, MC - Chief, Urology Service		22. APPROVING AUTHORITY'S SIGNATURE PHILLIPS.TIMOTHY.M.1038041467	23. DATE 09Dec2016

<b>PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS</b>			
<b>1st ENDORSEMENT (59 MDW/SGVU Use Only)</b>			
TO: Clinical Research Division 59 MDW/CRD Contact 292-7141 for email instructions.	24. DATE RECEIVED December 22, 2016	25. ASSIGNED PROCESSING REQUEST FILE NUMBER 17022	
26. DATE REVIEWED 4 Jan 2017		27. DATE FORWARDED TO 502 ISG/JAC	
28. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES If yes, give date. _____ <input type="checkbox"/> N/A			
29. COMMENTS <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED The abstract is approved.			
30. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Rocky Calcote, PhD, Clinical Research Administrator		31. REVIEWER SIGNATURE CALCOTE ROCKY.D.1178245844 <small>Digitally signed by CALCOTE ROCKY.D.1178245844 DN: cn=US, o=US, ou=5, ou=Government, email=rocky.d@us.af.mil, c=US Date: 2017.01.04 16:52:48-0500</small>	32. DATE
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42. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Kevin Iinuma, SSgt/E-5, 59 MDW Public Affairs		43. REVIEWER SIGNATURE IINUMA KEVIN.MITSUGU.1296227 613 <small>Digitally signed by IINUMA KEVIN.MITSUGU.1296227613 DN: cn=US, o=US, ou=5, ou=Government, email=kevin.iinuma@us.af.mil, c=US Date: 2017.01.04 16:45:48-0500</small>	44. DATE January 04, 2017
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**GENITOURINARY INJURIES SUSTAINED BY FEMALE U.S. SERVICE MEMBERS  
DURING OPERATION IRAQI FREEDOM AND OPERATION ENDURING FREEDOM**

Amy M. Reed MD\*, Judson C. Janak PhD\*, Jean A. Orman ScD\*, Steven J. Hudak  
MD

San Antonio, TX

(Presentation to be made by Dr. Amy M Reed)

**Objectives:** Until recently, female US service members (SMs) have not been permitted to serve in direct combat roles. However, during Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) a large number of female SMs have been wounded while serving in combat support roles. This included an unprecedented number of women with genitourinary (GU) injuries. No prior studies have reported either the incidence or clinical picture of these injuries. The objective of this study was to describe the epidemiology of GU injuries among female US SMs during OIF/OEF as well as understand the potential for increased female GU injuries in future conflicts and the long-term sequelae from these injury patterns.

**Materials and Methods:** The Department of Defense Trauma Registry (DODTR) was reviewed to identify all US SMs diagnosed with GU injury from 2001 to 2013. The DODTR includes data for wounded SMs treated at any US combat support hospital, the in-theater equivalent of a civilian trauma center. Female SMs with ICD-9-CM diagnosis codes and/or AIS codes for GU injury were included. Data on all females with GU injury were reviewed, including battle injury (BI) and non-battle injury (NBI). Basic demographic and injury characteristics were reported.

**Results:** Among the 1463 US SMs diagnosed with GU injury while deployed to OIF/OEF, 20 (1.4%) were female (median age: 25; IQR 21-27). Of these, 9 were BI (45%) and 11 were NBI (55%). The distribution of injury location was as follows: renal injuries (n=12), vulvar injuries (n=3), vaginal injuries (n=3), perineal injury (n=1), and bladder injury (n=1). Median Injury Severity Score was in the severe range (ISS=21; IQR 6-32); and 4 women (20%) died of their wounds. Important associated injuries included colorectal (n=5) and lower extremity amputation(s) (n=2). The most common mechanism of injury among the 9 women with GU BI was improvised explosive device (IED) blast (n=6), followed by other explosions (n=2) and gunshot wound (GSW) (n=1). Mechanisms of GU NBI varied, including GSW (n=2), fall (n=2), fire/flame (n=1), knife wound (n=1), unintentional machine injury (n=1), motor vehicle accident (n=1), sports injury (n=1), fight (n=1), and pedestrian injury (n=1).

**Conclusion:** Female GU injuries comprise a small portion of all GU injuries sustained during OIF/OEF with the most predominant being renal injury. Now that the ground combat exclusion policy has been lifted, this data can be used as a model for the expected injury patterns in future female combatants. Long term applications for this data include research and development for personal protective equipment and development of a multidisciplinary approach to long-term comprehensive care following GU trauma.

**Source of Funding:** The authors acknowledge the DoDTR for providing data for this study. This project was supported in part by an appointment to the Postdoctoral Fellowship Program at the USAISR, administered by the Oak Ridge Institute for Science and Education through an interagency agreement between the U.S. Department of Energy and EPA.

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